Model No.: YSL-R341K3D-D2

Applications:

- Decorations
- Inceticidal Lights
- Bill Inspector
- Medical Appliance

Absolute Maximum Ratings: (Ta=25°C)

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>Symbol</th>
<th>Absolute Maximum Rating</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward Current</td>
<td>$I_F$</td>
<td>20</td>
<td>mA</td>
</tr>
<tr>
<td>Peak Forward Current</td>
<td>$I_{PP}$</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Suggestion Using Current</td>
<td>$I_{Su}$</td>
<td>16-18</td>
<td>mA</td>
</tr>
<tr>
<td>Reverse Current (V_R=5V)</td>
<td>$I_R$</td>
<td>10</td>
<td>uA</td>
</tr>
<tr>
<td>Power Dissipation</td>
<td>$P_D$</td>
<td>65</td>
<td>mW</td>
</tr>
<tr>
<td>Operation Temperature</td>
<td>$T_{OPR}$</td>
<td>.40 ~ 85</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>$T_{STG}$</td>
<td>.40 ~ 100</td>
<td>°C</td>
</tr>
<tr>
<td>Lead Soldering Temperature</td>
<td>$T_{SOL}$</td>
<td>Max. 260°C for 3 Sec. Max. (3mm from the base of the epoxy bulb)</td>
<td></td>
</tr>
</tbody>
</table>

Absolute Maximum Ratings: (Ta=25°C)

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>Symbol</th>
<th>Test condition</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward Voltage</td>
<td>$V_F$</td>
<td>$I_R=20mA$</td>
<td>2.0</td>
<td></td>
<td>2.4</td>
<td>V</td>
</tr>
<tr>
<td>Wavelength (nm) or TC(k)</td>
<td>$\Delta \lambda$</td>
<td>$I_R=20mA$</td>
<td>590</td>
<td></td>
<td>595</td>
<td>nm</td>
</tr>
<tr>
<td>*Luminous intensity</td>
<td>$I_L$</td>
<td>$I_R=20mA$</td>
<td>40</td>
<td></td>
<td>100</td>
<td>mcd</td>
</tr>
<tr>
<td>50% Viewing Angle</td>
<td>$2^\theta$ 1/2</td>
<td>$I_R=20mA$</td>
<td>30</td>
<td></td>
<td>40</td>
<td>deg</td>
</tr>
</tbody>
</table>
Light Degradation in mcd: \((I_F=20mA)\)

<table>
<thead>
<tr>
<th>Colors</th>
<th>216 Hrs</th>
<th>360 Hrs</th>
<th>792 Hrs</th>
<th>1104 Hrs</th>
<th>1992 Hrs</th>
<th>2328 Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>1.52%</td>
<td>-1.22%</td>
<td>-3.10%</td>
<td>-4.68%</td>
<td>-5.72%</td>
<td>-8.27%</td>
</tr>
<tr>
<td>Yellow</td>
<td>-1.71%</td>
<td>-2.97%</td>
<td>-5.93%</td>
<td>-8.13%</td>
<td>-8.90%</td>
<td>-11.10%</td>
</tr>
<tr>
<td>Blue</td>
<td>3.13%</td>
<td>-0.33%</td>
<td>-3.84%</td>
<td>-8.23%</td>
<td>-21.32%</td>
<td>-24.92%</td>
</tr>
<tr>
<td>Green</td>
<td>-8.02%</td>
<td>-9.78%</td>
<td>-14.25%</td>
<td>-17.37%</td>
<td>-20.79%</td>
<td>-22.30%</td>
</tr>
<tr>
<td>Cool White</td>
<td>5.28%</td>
<td>3.36%</td>
<td>-1.15%</td>
<td>-3.84%</td>
<td>-8.66%</td>
<td>-11.24%</td>
</tr>
<tr>
<td>Pure White</td>
<td>6.83%</td>
<td>4.11%</td>
<td>-0.73%</td>
<td>-4.25%</td>
<td>-9.76%</td>
<td>-12.63%</td>
</tr>
<tr>
<td>Warm White</td>
<td>1.51%</td>
<td>-2.19%</td>
<td>-7.59%</td>
<td>-10.53%</td>
<td>-13.58%</td>
<td>-14.98%</td>
</tr>
</tbody>
</table>

Mechanical Dimensions:

- All dimension are in mm, tolerance is ±0.2mm unless otherwise noted
- An epoxy meniscus may extend about 1.5mm down the leads.
- Burr around bottom of epoxy may be 0.5mm Maximum
1. Anti-static bag

- 200 - 500pcs per bag
- With 1 little bag of drier inside

Unit: mm

Middle Box

- 30 - 40 bags per box
- 15-20K pcs per box
- 0.45Kg/K

Anti-static Tube Packaging Information:

Unit: mm

- 60 pcs per tube.
- 25 Tubes per layer.
- 35 Layers per carton
- 875 Tubes per carton.
- 52.5K pcs maximum in one carton
- 20-23Kg per carton
Code System:

YSL-R341K3D-D2

1. Company Code, short for Young Sun
2. Code for LED series.
3. Code for LED Type.
   - R: Round
   - B: Bullet
   - C: Columnar
   - O: Oval
   - H: Helmet
   - Q: Square
   - V: Concave
   - P: Pagoda
   - S: Strawhat
   - D: Special

4. Code for LED Lens Type.
5. Code for Lead Frame of LED
6. Code for Lead Frame Code of LED
7. Code for Wavelength Color
8. Code for Lens color
   - C: Water Clear
   - W: White Diffused
   - D: Color Diffused
   - T: Color Transparent
9. Code for Viewing Angle
   - A: 1-10
   - B: 10-20
   - C: 20-30
   - D: 30-40
   - E: 40-60
   - F: 60-90
   - G: 90-120
   - H: >120
10. Luminous Intensity Grade:
   - 1: 1-50mcd
   - 2: 50-100mcd
   - 3: 100-200mcd
   - 4: 200-300mcd
   - 5: 300-500mcd
   - 6: 500-800mcd
   - 7: 800-1000mcd
   - 8: 1000-1500mcd
   - 9: 1500-2000mcd
   - 10: 2000-3000mcd
   - 11: 3000-5000mcd
   - 12: 5000-8000mcd
   - 13: 8000-10000mcd
   - 14: 10000-13000mcd
   - 15: 13000-15000mcd
   - 16: 15000-20000mcd
   - 17: 20000~mcd

Warrantee:

- In order to make the LEDs lifespan longer, please set the input Current below 20mA.

- Electrical & Optical Characteristics consistency of same items all shippments.

Notes:

- Please use LEDs based on our datasheet.
- LED is sensitive to statics, be sure your equipments are anti-static when you use our LEDs.
- Pay more attention to your heat dissipation system when you use it, the better heat dissipation, the longer LED lifespan.